

# Converting Colors

Hex(18221E)

Have a look what the booklet for  
Hex(18221E) contains.

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# Color

**Hex(18221E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18221E
RGB	24, 34, 30
RGB Percent	9%, 13%, 12%
CMY	0.9059, 0.8667, 0.8824
CMYK	0.29, 0.00, 0.12, 0.87
HSL	156°, 17%, 11%
HSV	156°, 29%, 13%
XYZ	1.1831, 1.4320, 1.4423
YIQ	30.5540, -4.6760, -3.3640

# Conversions

## Conversions Part 2

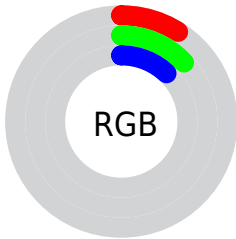
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 30, 34
Decimal	1581598
CIELab	12.17, -5.54, 1.24
CIElCh	12, 5.680, 167.341
Yxy	1.4320, 0.2916, 0.3529
Android (android.graphics.Color)	4279771678 (0xFF18221E)
YUV	30.5540, -0.2731, -5.7479
Hunter-Lab	11.9665, -3.2942, 1.2303

# Details

The Hex color **18221E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22181C**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **434E4A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **15221D**, and if you desaturate by 10%, it is **1B221F**.

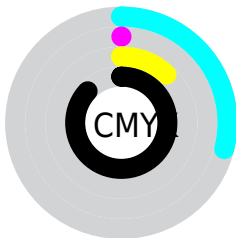
# Distribution



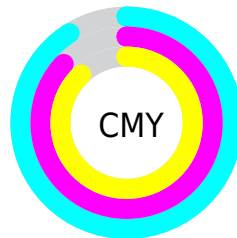
- Red (9%)
- Green (13%)
- Blue (12%)



- Red (9%)
- Yellow (12%)
- Blue (13%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (87%)



- Cyan (91%)
- Magenta (87%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 18221E changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 18221E by changing the saturation by 10% instead.



■ 18221E

■ 18221E

■ FBFFFF

■ 000C05

■ 434E4A

■ 000000

■ 5A6661

■ 737F7A

■ 8D9994

■ A7B4AE

■ C2CFCA

■ DEECE6

■ 18221E

■ 18221E

■ 15221D

■ 1B221F

■ 11221B

■ 1F2221

■ 0E221A

■ 222222

■ 0A2219

■ 262223

■ 072217

■ 292225

■ 042216

■ 2C2226

■ 002214

■ 302228

■ 332229

■ 37222A

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1C211A



18221E



162222

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18221E



1E1F27



271E1A

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18221E



22181C

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



281D1E



18221E



231E25

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18221E



192127



271D22



241F18

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18221E



162224



271D22



281E1B



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18221E



272B2A



1C2218



141716



969696



171717



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18221E



1C2B25



182122



101211



005231



00D17D



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22181C



2B1C22



221918



121011



520021

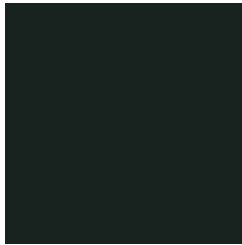


D10054



# Previews

## White Background



This preview shows how the Hex color 18221E looks on a white background.

## Color Contrast Check

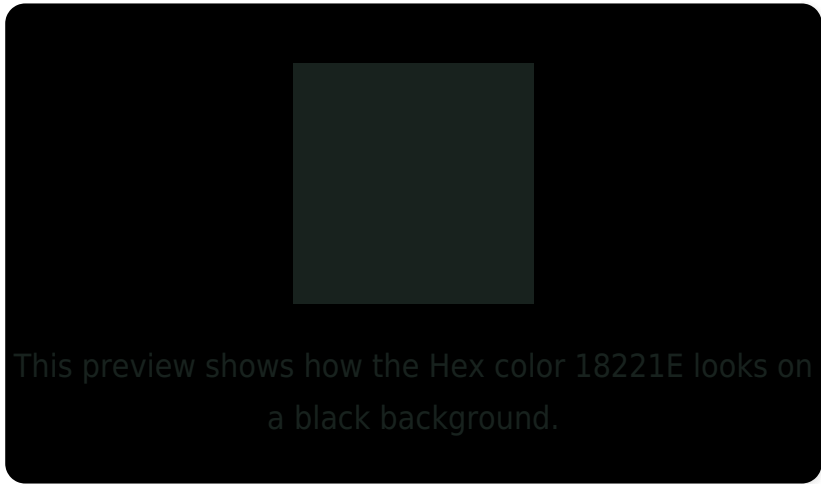
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

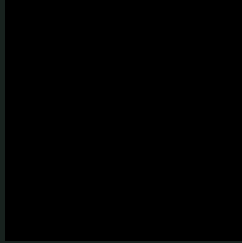
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

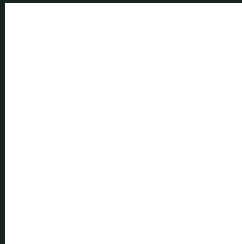
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 18221E Background



This preview shows how black text looks on a background with the Hex color 18221E.



This preview shows how white text looks on a background with the Hex color 18221E.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
18221E

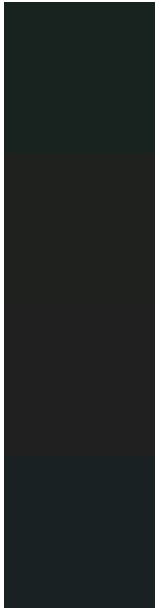
**Protanopia**  
21201D

**Deuteranopia**  
231F1F



**Tritanopia**  
192124

# Trichromacy



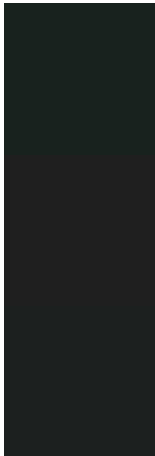
**Original Color**  
18221E

**Protanomaly**  
1E211D

**Deuteranomaly**  
1F201F

**Tritanomaly**  
192122

# Monochromacy



**Original Color**  
18221E

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
1C201F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 18221E is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #18221E looks like.

```
.text, #text, p{  
    color:#18221E  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #18221E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18221E
}
```

## Border

The CSS property to change the border of an element to Hex 18221E is called "border". The border property can be set on classes, ids or directly on the HTML element.

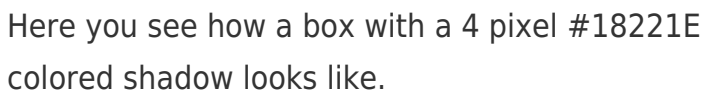
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#18221E }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#18221E }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #18221E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18221E; -webkit-box-shadow:4px 4px  
4px 4px #18221E; box-shadow:4px 4px 4px  
4px #18221E }
```

# Background

The CSS property to change the background color of an element to Hex 18221E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18221E }
```

If only the background color should be changed can be used:

```
.background{ background-color:#18221E }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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